



NOTICE OF REVIEW

APDES Preliminary Draft Permit

Alaska Department of Environmental Conservation (DEC)
Wastewater Discharge Authorization Program
555 Cordova Street
Anchorage, Alaska 99501

NOTICE OF REVIEW OF AN ALASKA POLLUTANT DISCHARGE ELIMINATION SYSTEM (APDES) **PRELIMINARY DRAFT PERMIT** TO DISCHARGE TO WATERS OF THE UNITED STATES

DEC has prepared an APDES preliminary draft permit for the Mendenhall Wastewater Treatment Plant. The Preliminary Draft Permit and associated documents are available to the applicant for a 10-day review. Following the close of the 10-day applicant review period, DEC will prepare a draft permit and fact sheet for a formal 30-day public review period. Public comments will be accepted during the formal 30-day review period. You can access the documents on DEC's Wastewater Discharge Authorization Program webpage at:
<http://www.dec.state.ak.us/water/wwdp/index.htm>

DEC Contact:

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Preliminary Draft Permit Review:

Start Date: March 17, 2014

End Date: April 1, 2014

Permit No.: AK0022951

Applicant:

City and Borough of Juneau
Mendenhall Wastewater Treatment Plant
2009 Radcliffe Road
Juneau, AK, 99801

Proposed Project and Location:

The City and Borough of Juneau (CBJ or permittee) owns, operates, and maintains the Mendenhall Wastewater Treatment Plant (MWWTP) located in Juneau, Alaska. MWWTP

discharges treated municipal wastewater into the Mendenhall River through a submerged multi-port diffuser located approximately 5,800 feet downriver of the Brotherhood Bridge and 1.4 miles upstream from the Gastineau Channel.

The design flow of the MWWTP is 4.9 million gallons per day (mgd) and is the largest of three wastewater treatment facilities serving the Juneau area. MWWTP services a resident population of approximately 20,000 people and supporting commercial businesses. Because Juneau is a summer season destination area, the actual population is higher during the summer months. MWWTP provides preliminary treatment of influent sewage by fine screening and grit removal and receives secondary biological treatment by the use of aeration blowers and jet circulation pumps. The treated effluent is decanted and disinfected by ultra-violet (UV) light treatment prior to discharge to the Mendenhall River. The secondary treated and disinfected effluent is conveyed through an outfall pipeline that is anchored along the river bottom oriented perpendicularly to the direction of flow in the Mendenhall River. The diffuser fitted at the end of the outfall is approximately 70 feet in length and contains 13-rectangular ports each having a cross sectional area of 0.5 ft². Sludge removed during the treatment process is dewatered and sent to either a local or out-of-state landfill for disposal.

DEC has authorized, and is proposing to continue authoring a mixing zone for fecal coliform bacteria, pH, ammonia, copper, lead, and chronic whole effluent toxicity. The mixing zone is rectangular, 30 meters wide and extending 100 meters upstream and 100 meters downstream, centered over the diffuser. The mixing zone is designed to ensure that the most stringent water quality criteria are met at all points outside the boundary of the mixing zone.

The permittee must conduct periodic receiving water monitoring and testing at appropriate locations upstream and downstream of the discharge in the Mendenhall River. The permittee must also conduct effluent monitoring and comply with both specific numeric effluent limits and other descriptive conditions and limitations regarding discharges as detailed in the permit at all times, regardless of monitoring frequency or reporting requirements of the permit.

Administrative Record:

The APDES preliminary draft permit, fact sheet, and associated documents are available for public review at the DEC offices located in Anchorage, Fairbanks, Juneau, Soldotna, and Wasilla. Please contact the office of your choice to arrange for hard copies of the documents to be available for your review.

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907-269-6285

610 University Avenue
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Wasilla, AK 99654
907-376-1850

If you would like to see any additional supporting technical documents, contact Sally Wanstall.

The documents are also accessible from the DEC website at:

<http://www.dec.state.ak.us/water/wwdp/index.htm>

Disability Reasonable Accommodation Notice

The State of Alaska, Department of Environmental Conservation complies with Title II of the Americans with Disabilities Act of 1990. If you are a person with a disability who may need a special accommodation in order to participate in this review, please contact Deborah Pock at (907) 269-0291 or TDD Relay Service 1-800-770-8973/TTY or dial 711 within 10 days of publication of this notice to ensure that any necessary accommodations can be provided.